

Recombinant Mouse Prdx1 protein, His & GST-tagged

Cat. No. Prdx1-8047M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Prdx1 aa. (Met1~Lys199 (Accession # P35700)) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	Met1~Lys199
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 54.1kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 6.5.
Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the

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	Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage Buffer	Supplied as lyophilized form in 20mM Tris, 500mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in ddH ₂ O.

GENE INFORMATION

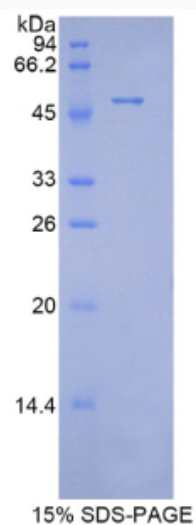
Gene Name	Prdx1 peroxiredoxin 1 [Mus musculus (house mouse)]
Official Symbol	Prdx1
Synonyms	PAG; OSF3; Paga; Prxl; TDX2; TPxA; prx1; MSP23; NkefA; OSF-3; Prdxl; Tdpx2; Trx dependent peroxide reductase 2; macrophage 23 Kd stress protein; macrophage 23 kDa stress protein; macrophage 23kDa stress protein; macrophase stress protein 22kDa; macrophase stress protein 23 kd; osteoblast-specific factor 3; proliferation-associated gene A; thioredoxin peroxidase 2; thioredoxin-dependent peroxide reductase 2; peroxiredoxin-1
Gene ID	18477
mRNA Refseq	NM_011034.4
Protein Refseq	NP_035164.1
UniProt ID	P35700

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SDS-PAGE



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